

Rutika Chougule

Software Engineer

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SUMMARY

Software Engineer with background in full-stack Java development, RESTful API design, and AI-assisted backend integration. Skilled in Java, Spring Boot, Spring Security, microservices, and relational database optimization. Demonstrated track record in delivering scalable backend services, asynchronous messaging architectures, and automated verification workflows.

EXPERIENCE

Software Development Executive

DMCFS Pvt. Ltd.

Jan 2026 – Jun 2026

- Engineered backend modules for an AI-powered Candidate Onboarding System using Java, Spring Boot, REST APIs, and MySQL.
- Enforced JWT authentication and role-based access control (RBAC) via Spring Security to protect application endpoints.
- Architected REST APIs for candidate onboarding, document management, and administrative workflows.
- Integrated Cloudinary API with multipart file handling and server-side validation by type and size for secure cloud storage.
- Designed backend workflows integrating an AI-powered verification service into the candidate onboarding pipeline.
- Automated onboarding notifications and document status updates via Twilio WhatsApp Sandbox API and ngrok webhooks.
- Implemented centralized exception handling, request validation, structured logging, environment configurations, and Swagger/OpenAPI documentation.

Associate Software Engineer

The Coding Cult

Feb 2025 – Oct 2025

- Designed and implemented 15+ RESTful APIs for authentication, community, careers, and messaging modules utilizing Spring Boot.
- Enhanced endpoint protection by 30% by integrating JWT authentication and role-based authorization with Spring Security.
- Reduced database latency by 20% through SQL query refactoring, indexing, and Hibernate/JPA optimization.
- Built a real-time messaging module using Apache Kafka and WebSocket, cutting message latency by 60%, and containerized services with Docker.
- Authored reusable SQL scripts for analytics and system monitoring to drive data-informed decision-making.
- Resolved 50+ backend issues identified during Postman API testing to ensure production-grade code quality.

Java Developer Trainee

Vibrant Minds Technologies Pvt. Ltd.

Jul 2024 – Jan 2025

- Completed an intensive Java Full Stack Development program focused on Spring Boot, REST APIs, JDBC, and MySQL.
- Developed core backend applications employing key Spring Framework concepts including IOC, Dependency Injection, AOP, and Hibernate ORM.

Data Science Project Intern

Automaton AI Infosystem Pvt. Ltd.

Feb 2023 – Mar 2023

- Constructed Python-based data processing pipelines using Pandas and NumPy to automate pre-processing and eliminate manual work.
- Analyzed large datasets using Pandas, NumPy, and Matplotlib to extract operational business metrics.
- Built proof-of-concept supervised machine learning models for predictive analytics.

EDUCATION

Savitribai Phule Pune University -- Indira College of Engineering and Management, Pune · Bachelor of Engineering · 2021 – 2024
Government Residence Women's Polytechnic, Tasgaon (MSBTE) · Diploma · 2018 – 2021

SKILLS

Languages and Frameworks: CSS, HTML, Java 8/17, JavaScript, Python, SQL, Hibernate, JDBC, Matplotlib, NumPy, Pandas, Spring Boot, Spring Data JPA, Spring MVC, Spring Security, WebFlux
Databases: DBMS, MySQL

Tools: Apache Kafka, Cloudinary API, Docker, Git/GitHub, Gradle, IntelliJ IDEA, JWT Authentication, Maven, Microservices, MVC & Repository Patterns, MySQL Workbench, ngrok, OOP, OpenAI API, Postman, REST APIs, Role-Based Access Control (RBAC), SOLID Principles, Swagger/OpenAPI, Twilio WhatsApp API, Webhooks, WebSocket

PROJECTS

AI Lead Scoring Service

Built an AI-powered lead scoring backend achieving 90% prediction accuracy, reducing manual qualification time by 70%. Developed an asynchronous Spring WebFlux backend processing workflow. Developed an asynchronous Spring WebFlux backend leveraging OpenAI API, achieving 90% prediction accuracy and reducing manual qualification time by 70%.

Java, Spring Boot, WebFlux, OpenAI API

Task Manager REST API

Designed a RESTful Task Manager API with complete CRUD operations for tasks and notes. Implemented a clean, scalable Controller-Service-Repository layered architecture with global exception handling. Designed a RESTful API using Java, Spring Boot, Hibernate, and MySQL featuring a layered Controller-Service-Repository architecture.

Java, Spring Boot, Hibernate, MySQL, Gradle

Additional projects: News Opinion Mining

AWARDS

Microsoft Technology Associate (MTA): Introduction to Programming Using Java, Certified Full Stack Java Developer, AI/ML Project Completion Certificate -- Automaton AI, Smart India Hackathon 2022 Finalist (Software Edition), LPF Scholarship Recipient (2021)